



# Agriculture & Forestry Technical Work Group Call #2

September 8, 2005



# Today's Agenda

1. Call to order
2. Roll call
3. Review of September 1, 2005 Meeting Summary
4. AZ Open Meeting Law update
5. Suggested revisions to draft AZ GHG emissions inventory and forecast for Agriculture & Forestry
6. Discussion of list of potential state GHG actions
7. Discussion of rankings for potential GHG actions, next steps toward identification of priorities for analysis
8. Call to the public
9. Proposed agenda items for next meeting
10. Announcements

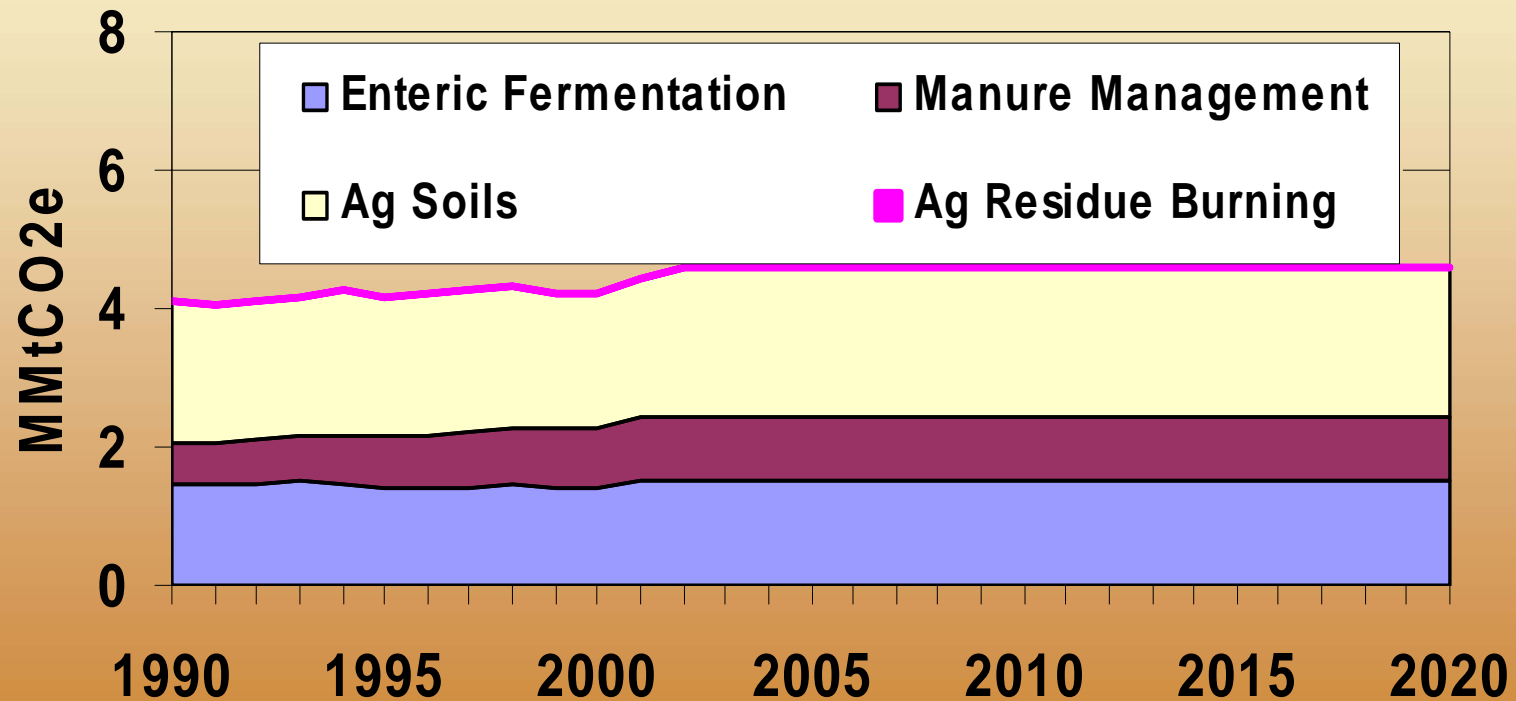
# Agriculture

- Suggested revisions to draft inventory and Reference Case Projections for the Agricultural sector?
  - SGIT Ag Module posted to website
  - Review and Clarifying questions

# Agriculture

- Data Sources
  - USDA data collected by states and USDA
- Methods
  - GHG conversions using EPA methods
- Key Assumptions and Uncertainties
  - No growth from 2004 levels

# Agriculture



# Agriculture

- Suggested inventory revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Agriculture

- Suggested forecast revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Forestry

- Suggested revisions to draft inventory and Reference Case Projections for the Forestry sector?
  - AZ FORCARB data posted to website
  - Review and Clarifying questions



# Forestry

- Data Sources
  - Forest Inventory Analysis (FIA) data collected by states and USFS
  - HARVCARB and soil data collected through field studies
  - NRI data collected by states and USDA
- Methods
  - USFS FORCARB2 carbon stock change model
    - Augmented with flow estimates from soil carbon and HARVCARB data

# Forestry

- Key Assumptions and Uncertainties
  - Size and trends of Carbon stocks on rangelands?
  - Effect of changed forest definition?
  - Nonlinear trends for biomass growth, mortality, and commercial use?
    - Forest health, commercial activities?
  - Better state tree growth and soil tables ?
  - Harvested wood products imports/exports?

# Forestry

- Options for reference case projections (2002-2020)
  - Held constant from 2004 (current)
  - Modification through expert judgment
  - Modeled forecast
- Choice does not affect quantification of policy options

# Forestry

- Forest carbon stock changes
  - 1987-2002 average annual stock changes
  - Carbon only

Live and dead-standing trees and understory	2.5
Forest floor and coarse woody debris	-3.8
Soils	-5.5
Wood products and landfills	0.0
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<b>Total</b>	<b>-6.7</b>
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# Forestry

- Suggested inventory revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Forestry

- Suggested forecast revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Policy Options

- Review Potential List of Options
  - See matrix of potential strategies and actions
- Develop and review draft rankings by 9/15
  - Agriculture
  - Forestry

# Agriculture Options

- Agriculture
  - Production of Fuels and Electricity
  - Fertilizer and Manure Management
  - Soil Carbon Management
  - Land Use Change
  - Farming Practices
- Revisions to matrix?
  - Additions
  - Information to support draft rankings?



# Forestry Options

- Forestry
  - Biomass Protection and Management
  - Wood Products and Waste
  - Energy Production
- Revisions to matrix?
  - Additions
  - Information to support draft rankings?

# Next Call

- Proposed agenda items
  - Timing of additional calls prior to September 29 CCAG meeting
  - Development of initial priorities for analysis
  - Continued discussion of inventory and reference case
- Need for a 9/15 call?

# Public input/announcements?